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Electrochemical Synthesis of Ammonia in Solid Electrolyte Cells

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#	Paper	IF	Citations
88	Electrochemical Synthesis of Ammonia Directly from Wet N2Using La0.6Sr0.4Fe0.8Cu0.2O3-ECe0.8Gd0.18Ca0.02O2-Composite Catalyst. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, H350-H354	3.9	19
87	Electrochemical synthesis of ammonia from wet nitrogen using La0.6Sr0.4FeO3te0.8Gd0.18Ca0.02O2teomposite cathode. <i>RSC Advances</i> , <b>2014</b> , 4, 18749-18754	3.7	21
86	Klistliche Photosynthese fildie Produktion von nachhaltigen Kraftstoffen und chemischen Produkten. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3309-3316	3.6	60
85	Ammonia synthesis at atmospheric pressure in a BaCe0.2Zr0.7Y0.1O2.9 solid electrolyte cell. <i>Solid State Ionics</i> , <b>2015</b> , 275, 110-116	3.3	44
84	Hydrogen permeability of SrCe0.7Zr0.25Ln0.05O3Imembranes (Ln=Tm and Yb). <i>Journal of Membrane Science</i> , <b>2015</b> , 473, 327-332	9.6	19
83	Artificial photosynthesis for sustainable fuel and chemical production. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3259-66	16.4	444
82	Synthesis of ammonia directly from wet nitrogen using a redox stable La0.75Sr0.25Cr0.5Fe0.5O3tte0.8Gd0.18Ca0.02O2ttomposite cathode. <i>RSC Advances</i> , <b>2015</b> , 5, 38977-389	983	25
81	Synthesis of ammonia directly from wet air using Sm(0.6)Ba(0.4)Fe(0.8)Cu(0.2)O(3-Das the catalyst. <i>Faraday Discussions</i> , <b>2015</b> , 182, 353-63	3.6	17
80	Nitrogen fertilizers manufactured using wind power: greenhouse gas and energy balance of community-scale ammonia production. <i>Journal of Cleaner Production</i> , <b>2015</b> , 107, 626-635	10.3	50
79	Reaction Rate Enhancement During the Electrocatalytic Synthesis of Ammonia in a BaZr0.7Ce0.2Y0.1O2.9 Solid Electrolyte Cell. <i>Topics in Catalysis</i> , <b>2015</b> , 58, 1193-1201	2.3	25
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76	Progress in the Electrochemical Synthesis of Ammonia. <i>Catalysis Today</i> , <b>2017</b> , 286, 2-13	5.3	389
75	Electrocatalytic Synthesis of Ammonia at Room Temperature and Atmospheric Pressure from Water and Nitrogen on a Carbon-Nanotube-Based Electrocatalyst. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 274.	3 <i>-</i> 2947	, 79
74	Electrocatalytic Synthesis of Ammonia at Room Temperature and Atmospheric Pressure from Water and Nitrogen on a Carbon-Nanotube-Based Electrocatalyst. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2699-2703	16.4	426
73	Computational Predictions of Catalytic Activity of Zincblende (110) Surfaces of Metal Nitrides for Electrochemical Ammonia Synthesis. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 6141-6151	3.8	68
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68	Lowering reaction temperature: Electrochemical ammonia synthesis by coupling various electrolytes and catalysts. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 1107-1116	12	62
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